

ABSTRACT

A photoluminescent phosphorescent material for emergency lighting and the like. An alkaline earth aluminate base material is doped with a lanthanide earth element and a transition metal element. When exposed to ambient lighting, the material of the present invention emits light in dark areas even after the loss of electrical power. The addition of a transition metal element such as Scandium (Sc) provides longer and brighter photoluminescence than is expected by the use of a lanthanide element alone.